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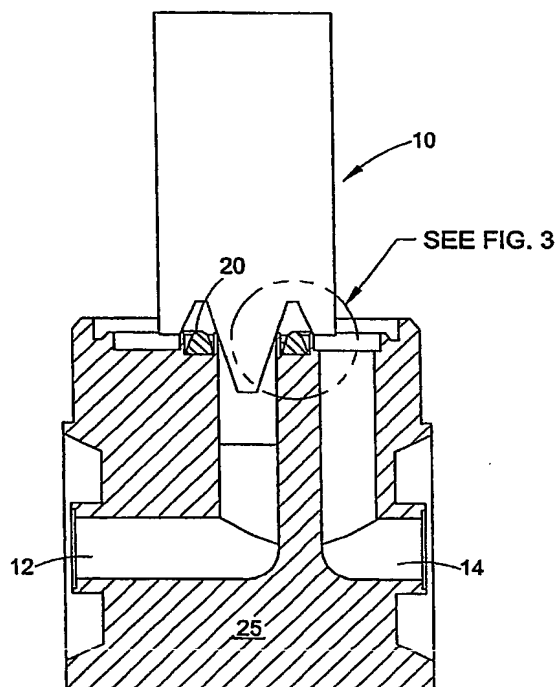
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[Continued on next page]

(54) Title: DIAPHRAGM VALVE SEAT



(57) Abstract: A thermally and chemically inert valve seat is provided. The valve seat includes a sharp edge located on the periphery of the valve seat body, wherein the edge digs into a surface within the valve body to secure the valve seat. The valve seat may be case hardened to provide additional strength and sealing ability. The inner diameter of the valve seat may be flush against the valve fluid passageway, thereby decreasing the contact area between the diaphragm and the valve seat.



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